

Meetings, 2nd Thursday of month, KEEFE VOCATIONAL SCHOOL, 750 WINTER STREET, FRAMINGHAM, MA - ROOM 201. MEMBER OF THE AMATEUR RADIO NEWS SERVICE.

APRIL 1974

ELECTED OFFICERS

PRESIDENT JEFF SLAMIN WAIMZC
VICE-PRES. TONY LASCALA WAIMTI
TREASURER JIM BABISH K1UUM
SECRETARY ENZO ROTATORI WA1PYF

HERE IS WHAT YOU MISSED.

By far the best meeting of the year was held at the Keefe School on Thursday, March 14. A total of 31 members and guests were present--this establishes a four year high for Club attendance. Interest and participation continue to grow in leaps and bounds. One of the most fantastic tours ever held by the F.R.C. was conducted prior to our March business meeting. Thanks to Don Baines, Media Director at Keefe, we were shown the closed circuit color T.V. facilities at the school. According to Mr. Baines, the total value of this facility is one million dollars. We were shown every possible camera technique: instant replay, video tape facilities and the superb equipment available at Keefe Tech. Our own Richard Feldman was operator of Camera 1 during the demonstration.

Jim K1UUM read the treasurer's report. The Club is very solvent with a total of \$1308.91 in our savings account and bond account. Gene WA4HHP spoke to the group about life time ARRL Membership and the benefits derived. The life time plague really is beautiful. Why not look into this?

Final details of the auction were discussed. Guests at the meeting were: Frank Timreck W1OAN and his XYL Dorothy, relocated here from Connecticut; George Ragusa, Framingham; George and Cheryl Kearsley of Milford; Vic W1BFF; Mike WA1QVD, Sudbury; Danny Segarra, student at Keefe; Bob Marse K1ZTP, Framingham; and Barry WA1RCE, Northboro; and Cope WA1DRT, Ashland.

Bob K1ZTP has retired and is headed for the warm Southern climate. We all wish him good luck.

The door prize of a \$25 packet of electrical components was won by Vic W1BFF.

A 1974 ARRL Handbook was raffled and the winner was Gus WA1OKA.

NEXT MEETING.

The Club's next meeting will be Thursday, April 11, at Keefe Vocational School, Framingham. Time of the meeting is 8 p.m. in room 201. Code practice will be available from 7:30 to 8 p.m. for the novice group.

An interesting program is planned with Mac WA1IGL presenting a talk on Nets and Traffic handling. Because revenue at the March Meeting was so good, FREE Coffee and Donuts will be served. A door prize donated by one of the members will be given away

Ed WALAGQ will assist Mac with the CW portion of Net check in.

Our raffle was so successful last month that we would like to have one at every meeting. Raffle tickets are 25¢ each; 5 for \$1.00; and will be sold during the coffee break. The prize at this meeting will be four tickets to the Ringling Bros. Circus at Boston Gardens being held on May 14.

This should be another great meeting. Our Club is really beginning to grow thanks to your participation.

Come to the meeting and bring a friend and your QSL card.

Correction: The March Newsletter indicated that the door prizes were furnished by Warren W1ERI for the past two meetings--this should be Emerson W1ERI--Sorry O.M.!

F.R.C. RAG CHEW NET.

The Club Rag Chew Net continues to be active. Glad to see that Jim WA1PMY finally got a mike and checked into the Net. Let's get those rigs warmed up and earn your Club certificate for ten check-ins. Mac WA1IGL is the latest recipient of this handsome certificate. Net night is Wednesday, 9 p.m. on or about 28.600 MHz. See you there.

QUESTIONS AND ANSWERS TIME.

1. How many of the 17 Oceans and Seas of the world can you list?
2. Which is the largest Ocean?
3. Which has the greatest recorded depth?
4. Where is the largest lake in the world located?
5. Which of the following is the longest river in the world?: Nile, Amazon, Mississippi, Mekong.
6. The highest waterfall is?: 2830, 3030, 3330 or 3630 feet high.
7. Name the largest island in the world.
8. Which is the highest mountain in the world?
9. Name the highest mountain in U.S. possession?
10. Where is the longest bridge in the world located?
11. Where is the most populated city in the world located?

ANSWERS. (reference: Funk & Wagnall's Standard Encyclopedia Dictionary)

1. Pacific, Atlantic, Indian, Arctic, Mediterranean Sea*, Carribbean Sea, South China Sea, Bering Sea, Gulk of Mexico, Okhotsk Sea, East China Sea, Hudson Bay, Japan Sea, Andaman Sea, North Sea, Red Sea and Baltic Sea.
*(includes Black Sea & Sea of Azor)
2. Pacific Ocean with 70,000,000 square miles and an average depth of 13,215 ft.
3. Pacific Ocean with the greatest recorded depth of 35,958 feet.
4. Caspian Sea, U.S.S.R. - Iran, 163,800 sq. miles (contains salt water). The second largest is Lake Superior, USA and Canada with 31,820 sq. miles of area.
5. The Nile located in Africa and flowing into the Mediterranean Sea is the longest at 4,130 miles. Next are the Amazon, 3,910 miles and the Mississippi, 3,860 miles.
6. The highest waterfall is Angel Fall in Venezuela at a height of 3,330 feet. It is a tributary of the Caroni River.
7. Greenland, 840,154 square miles.
8. Mt. Everest in the Himalayas range of Nepal-Tibet is 29,028 feet high.
9. North Peak in Alaska is 19,470 feet high.
10. The longest bridge is on Lake Washington (floating type bridge) in Seattle, Washington -- 6,561 feet long.
11. Tokyo, Japan - 8,303,000 population.

FIELD DAY.

Our new Field Day site behind the Keefe Vocational School has been approved. Mac WALIGL, Tony WALMTI, and Jim KLUUM, our F.D. Committee have made on location inspections and are now formulating plans for this great event. The area has been reserved for us from 5 p.m. Friday, June 21 to 5 p.m. Sunday, June 23. Mark your calendars.

NOVICE CLASSES.

The Club's Novice Classes at Keefe and in Milford, MA continue. Classes are being conducted by Ed WALAGQ, Tony WALMTI, Jim KLUUM, Tom WALOTG and Enzo WALPYF. After just four classes, the following passed the 5 W.P.M. Novice code requirement: Richard Harlow, Tom Morris, George Ragusa and Bob Harlow.

The Novice classes are held on Monday evenings at Keefe Vocational, 8 p.m., Rm 201, or in the Milford area. Contact Ed WALAGQ.

THIS AND THAT.

The Club Call W1GLA was the call of Curtis Cheney of Hopkinton who was killed in WW II and the Club obtained reissue of this call in his memory.

Sorry to hear that Clif Walton's XYL, Helen, was recently hospitalized.

Check your license and make sure you haven't gone over the expiration date.

Remember the "Let's talk Transistors" series by Robert Stoffels WB9ESH? ARRL has put together a reprint booklet of the 9 part transistor primer and it is available from ARRL for \$1 including postage.

We will have available for your viewing at the April meeting pictures, QSL Cards and booklets from years past (1930's to 1950's) thanks to Clif Walton.

It has never been as windy as this year--or does it just seem that way because of my new Tower and beam.

Just a reminder--your Club will be paid 50¢ for each subscription to ARRL whether it is a new one or extension, if you would give your Club treasurer Jim K1UUM a check for \$7.50 at the meeting. This is one more way that you can support your Club.

What has the F.R.C. done for you this year? What have you done for the Club! Think about it.....

Club elections are in May.

QST DE W1AW
HR OFFICIAL BULLETIN NR 471 FROM ARRL HEADQUARTERS
NEWINGTON CT MARCH 14\ 1974
TO ALL RADIO AMATEURS BT

THE ARRL EMERGENCY COMMUNICATIONS ADVISORY COMMITTEE IS CONTINUING ITS STUDY OF RACES WHICH WAS INITIATED BY FCC DOCKET 19723. SUBPART F OF THE RULES AND REGULATIONS IS BEING CAREFULLY STUDIED. COMMITTEE MEMBERS WELCOME COMMENTS FROM AS MANY INTERESTED PARTIES AS POSSIBLE. CORRESPONDENCE CAN BE DIRECTED TO COMMITTEE CHAIRMAN WA4PBG\ COMMITTEE MEMBERS W3PST W4IYT K5SVD W6INI W7IEU W8ERD W9QBH WOPB VE3DV\ OR TO ARRL HEADQUARTERS FOR ROUTING TO COMMITTEE MEMBERS. AR

QST DE W1AW
HR W1AW PROPAGATION FORECAST BULLETIN NR 190
MARCH 8\ 1974
TO ALL RADIO AMATEURS BT

THE LATEST FORECAST PREDICTS UNSETTLED CONDITIONS MARCH 10 THROUGH 12 WITH VERY LOW SOLAR ACTIVITY AND BELOW NORMAL MAXIMUM USABLE FREQUENCIES. ANOTHER DISTURBED PERIOD IS EXPECTED ABOUT MARCH 21. SOLAR ACTIVITY INDICES FOR MARCH\ APRIL AND MAY ARE 23 27 AND 26 RESPECTIVELY. AR

POEM OF THE MONTH

There was once a ham named Kern,
 Whose unfused supplies used to burn.
 With his nose he went poking,
 To see what was smoking.
 Now he's stored away in an urn.

de Ground Wave.

HAM SLICES---

Indications are that the E. F. Johnson Company has sold their stock, tools and dies for their famous line of antenna tuners, transmitters, telegraph keys and other ham gear. It is not certain now when or if the new owner will sell the line under a new name.

World wide production of handheld electronic calculators will reach 8 million units. School administrators are talking about altering math courses to accomodate students using calculators to do their homework.

#425. The ARRL members guide to amateur satellites is now ready for distribution. This convenient 32-page collection of background articles from QST, the ARRL Handbook and AMSAT Newsletter features information on equipment and techniques needed to use the satellite, orbit plotting, orbit prediction using doppler measurements, satellite tracking and guidelines for construction of helix antennas. For your free unfolded copy, by first class mail, send and addressed envelope larger than six by nine inches with 10 cents United States postage to ARRL, 225 Main Street, Newington, Connecticut, 06111.

Polaroid's new SX-70 camera contains more than 400 integrated transistors in seven IC-s. They operate the timing, shutter and motor control as well as providing flash and motor control power drive.

Is the vacuum tube audio amplifier returning? Dynaco sold 500 in Japan in 1972. During the first half on 1973, they sold 1,624!

THE GROUND WAVE

RADIO CONTRATEMPs---

The object lesson for young squirts in this month's GROUND WAVE is, "You have to be as careful when you write words as when you say 'em." For instance, I happen to know one of the people down at the newspaper office who sets words into type, the final step before the actual printing takes place. One night an ad came down to the printing floor saying, "Chip 'n' Dale chairs, \$300 each. ABC Antique Store". The fresh young girl answering the telephone in the newspaper's want ad department knew all about Chip 'n' Dale, the cartoon characters but she'd never heard of Chippendale, the 16th century cabinetmaker! Down at WQDKI, the Red Cross amateur station, one time there was a young squirt whose call I've forgotten, operating the 10 meter phone position. He hooked a W1 who gave his QTH as Bangor, Maine. Excited at working this rare DX, the YS came back shouting, "OK on being in Bangormaine, but what state are you located in?"

Then, of course, everybody by now has heard of the new ham working his first DX on CW and a XE who assured him that his QTH was "OK in book". For years afterward the new ham wondered what ever happened to that QSL he shipped off to Okinbook, Mexico.

Does anybody remember the yarn in GROUND WAVE for March which ventured that somebody ought to think up a better word for an electronic octave? I didn't think so. Far from exciting the radio world's electrons, it stirred only one response, from a prof. in an obscure central Wisconsin college. The prof. didn't take issue with the main point of the story but he did point out that it would be well to take more care when writing about radio frequencies. A radio cycle is called a Hertz nowadays and since it is a proper noun (after Mr. Hertz who presumably invented them) it must always be capitalized, whether written out in full or abbreviated. So if you're going to write about the low edge of the 80 meter band you have to say 3.5 MHz. And be sure it's with a capital "M", otherwise it turns out to be milliHertz, which is a very low frequency indeed, nowhere near the 80 meter band.

Life gets tedious, don't it? I've got a good notion to just keep on calling them megacycles like we did in the old days, and nobody ever gave a hoot whether you abbreviated it MC or mc.

Electronic News reports that ITT Mackay Marine, a division of ITT, has entered the amateur market with two amateur receivers, each covering 15 kHz. to 30 MHz. One receiver is step tuned and the other is sweep tuned. The units are completely solid state dual-conversion super-hets. They are priced in the region of about \$4,000.00 each. de ARNS Bulletin (and their editor comments "Whew")

In much electronic apparatus of today, extremely high voltages are used which require stable and reliable insulators. Amber is now being used extensively for this purpose. (from page 91, International History Magazine for January 1974).

LINEAR BUILDERS---

Those of you who have experienced difficulty in obtaining ferrite rods for those filament chokes can get the rods from: Amidon Associates, 12033 Otsego St., North Hollywood, Calif. 91607. You can obtain their catalog by writing for it.

de Ham News

*"It is the little things in life that upset us...like being just two
kaycees outside the ham bands."*

My recent flight to Chicago was really exciting. Sitting next to me was a fellow Ham, Jack Ammann WA5NAD, San Antonio, Texas. That was the most pleasant two hours I've ever had on a plane. Jack is a civilian employee of the Air Force and he was visiting the G.E. Plant in Lynn, Ma. He has his advanced ticket (1965) has Drake equipment, a Mosley TA36 Bean, an 80/40 meter trap dipole, and a NCX 2000 Linear. He has a 70 foot utility pole to support his beam purchased for .20 per ft. (\$14!) It measures 26 inches in diameter where it comes out of the ground as Jack says, "a man can hardly put his arms around it." He spends much of his time DX ing having long ago exceeded the 100 Countries mark. He is not a certificate chaser, nor does he belong to any club-just a few local guys who enjoy this great hobby. Jack likes to tinker with antennas and considers himself above average on that subject. I will be sending Jack a copy of this Newsletter and I have invited him to submit a guest article. Don't be surprised is some night when conditions are right, Jack checks into our Net. 73's Jack, it has been my pleasure.

FLASH FLASH FLASH

Despite a light dusting of snow and a total lack of support from our local daily and weekly newspapers in publishing our auction announcement, it appears that our annual auction was a tremendous success. A special thanks to all who helped including Mac WALIGL, Jim K1UUM. Since I was in bed with the flu that day, I salute my XYL Nancy and daughter Pat for working at the auction in my place. Great job by Cheyl with the food. Thanks to Laurie Parker, a friend.

Tell It to the Judge!

By Nathaniel Tillman

Drawings by Joseph Stern

ANIMALS are strange people and people are strange animals. The two are so closely bound together it is sometimes difficult to tell who wears the master's cloak.

The things animals do have caused man considerable trouble from the first time he attached them to his household. At times they act so human he accepts them as members of the family. Then again, their performances are so contrary that he comes to believe they take a perverse pleasure in balding his pate in the shortest possible time.

Forced to protect his sanity and to prove his mastery, man has fallen back on his most trusted and, therefore, most useless method of defense. He has passed laws (most of these now out-of-date and obsolete) on the poor dumb brutes, sometimes making them look ridiculous, but more often placing the jester's garb upon his own back. To really understand, just listen to this! . . . "All domestic house pets are to be fed, at least, three wholesome meals a day or be punished by a fine not exceeding \$1.00," says an ordinance in Bollineau, N. D., which is all well and good. But just read the following statutes of *days gone by*:

Poor Fido really leads a dog's life in Boston, Mass., where an ancient law states that he can only be ten inches high, while Tabby, the cat, can reach the awesome height of 48 inches and still be within the realm of the law.

To prevent his kicking up his heels too much in the spring, Massachusetts once required that a dog's hind legs be tied during the month of April.

Bessemer City, N. C., forbids him to engage in his favorite sport, that is, tangling with cats when and where he encounters them.

However, to prevent his becoming un-Americanized, his ownership is forbidden to foreigners by West Virginia. Accents don't sound too well attached to a deep growl.

Morning must be a welcome sight to him in Dallas, Texas, where he is required to wear headlights at night.

Other animals, however, don't entirely escape this

stringent law-making.

For instance, Fairbanks, Alaska, places the lives of moose in great danger of traffic accidents. They are forbidden by ordinance the use of the sidewalks.

Making a monkey out of SOMEBODY, South Bend, Indiana, convicted a monkey of the crime of smoking a cigarette and sentenced him to pay a fine of \$25 and trial costs.

Horses must wear pants at all times in Fountain Inn, S. C. Imagine a neat pair of powder-blue flannel slacks on old Dobbin during the plowing season in July.

American animals can still retain some measure of their national pride when they find out how other countries legislate against their four-footed citizens.

Instead of headlights, elephants are required to wear tail lights in India. The danger must lie to the rear.

In Basle, Switzerland, a rooster was convicted of the crime of having laid an egg and was sentenced to be burned for sorcery. This brings up the old problem, which comes first, the chicken or the egg.

A French court convicted a pig of murder in 1586 and ordered it to be executed in men's clothing.

Seemingly becoming ashamed of himself at times, man passes certain benevolent acts that stand up for his pets and make up for some of the punitive ordinances.

Maine says it is against the law to set a mule on fire, even though breaking the law might seem to be the only way to obtain motion.

A dog's tail (bull dog excepted) may not be cut off in Vermont. This seems rather unfair to the bulldog. He just might prefer a long tail, too.

Two states place the animals on par with humans.

New York law forbade the clipping of dog's ears as well as humans', while in Hanover, N. H., ground glass and poison cannot be fed to dogs, cats, or children.

But the best of it all goes to rats and mice in Osage City, Kansas. Here a statute says that they have to be exterminated by painless methods.



No person may drive a camel along a public highway, according to the laws of Nevada.



In Willimantic, Connecticut, an ordinance decreed that a horse must carry a tail light when traveling after dark.